

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**MIXED SIGNAL PROCESSOR WITH NOISE MANAGEMENT**

**TECHNICAL FIELD OF THE INVENTION**

[0001] The present invention pertains in general to mixed-signal processor units including both a digital section and an analog data conversion section and, more particularly, to the noise management of noise generated in the digital section that could introduce noise into the analog section during data conversion operations.

**CROSS-REFERENCE TO RELATED APPLICATIONS**

[0002] The present application is related to co-pending U.S. Patent Application Serial No. Not Yet assigned, entitled "METHOD AND APPARATUS FOR SUBCLOCKING A SAR ANALOG-TO-DIGITAL CONVERTER," filed on even date herewith (Atty. Dkt. CYGL-26,256), which is incorporated herein by reference.